Supplemental Instruction Summary
2012-2013
Student Success Center
Gordon State College

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Spring 2012

ACCT 2101: Principles of Accounting, Sections A, B, and C

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F/WF</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>SI Students (n=21)</td>
<td>6</td>
<td>9</td>
<td>6</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Non-SI (n=68)</td>
<td>17</td>
<td>27</td>
<td>10</td>
<td>7</td>
<td>3</td>
</tr>
<tr>
<td>SI Students %</td>
<td>28.5%</td>
<td>42.8%</td>
<td>28.5%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Non-SI %</td>
<td>25%</td>
<td>39.7%</td>
<td>14.7%</td>
<td>10.2%</td>
<td>4.4%</td>
</tr>
<tr>
<td>Total Classes (n=89)</td>
<td>23</td>
<td>36</td>
<td>16</td>
<td>7</td>
<td>3</td>
</tr>
</tbody>
</table>

**ABC Rates**

SI Students: 100% (21/21)
Non-SI: 79.4% (54/68)
All Students: 84.2% (75/89)

**ABCD Rates**

SI Students: 100% (21/21)
Non-SI: 89.7% (61/68)
All Students: 92.1% (82/89)

**Class GPA (Excluding Ws)**

SI students: 3.0
Non-SI: 2.75
All: 2.81

**Participation Rates**

21 students attended SI at least once
12 from target class (Section A), or 40% (third-best among all SI sections this semester)
4 from Section B, or 14%
5 from Section C, or 16.7%
77 total student contacts (third-best among all SI sections this semester)
This course had an unusual breakdown of SI contacts. Only 20 contacts from target class (section A), or 26% of all contacts. 15 contacts from Section B, or 19.4% of all contacts. 42 contacts from Section C, or 54.5% of all contacts.
Avg. number of sessions per student: 3.67 (lowest among all SI sections this semester)
SI students with mid-term F’s: 2 (9.5% of total students)
ABCD rate of SI students with mid-term F’s: 2/2, or 100%
Anticipated Grade Distribution

Anticipated Final Grade Distribution is derived by making the following assumptions:

- The total population under review = 89
- 68 of the 89 students (76%) did not attend SI (the “Non-SI” group)
- 21 of the 89 students (24%) did attend SI at least once (the “SI” group)
- Thus, the Non-SI group would be expected to receive 76% of the A’s, 76% of the B’s, 76% of the C’s, and so on
- The SI group would be expected to receive 24% of the A’s, 24% of the B’s, 24% of the C’s, and so on

- Red numbers in the table below indicate clearly lower than anticipated performance (≥ 2)
- Green numbers in the table below indicated clearly higher than anticipated performance (≥ 2)
- Thus, green numbers in the A/B/C lines are positive; red numbers in the D/F/WF/W lines are positive.

In this analysis, the SI group slightly outperformed its expectations. The SI group outperformed expectations on both the C and the D lines.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Raw Number</th>
<th>Anticipated Grade Distribution of Non-SI Students (76%)</th>
<th>Actual Grade Distribution of Non-SI Students</th>
<th>Anticipated Final Grade Distribution of SI Students (24%)</th>
<th>Actual Final Grade Distribution of SI Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>23</td>
<td>17</td>
<td>17</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>B</td>
<td>36</td>
<td>27</td>
<td>27</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>C</td>
<td>16</td>
<td>12</td>
<td>10</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>D</td>
<td>7</td>
<td>5</td>
<td>7</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>F/WF</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>W</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL</td>
<td>89</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Spring 2012 SI Results vs. Spring 2011 Non-SI Results

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F/WF</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spring 2012</strong></td>
<td>23</td>
<td>36</td>
<td>16</td>
<td>7</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td><strong>SI Classes</strong></td>
<td>(n=89)</td>
<td>24</td>
<td>13</td>
<td>10</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td><strong>Spring 2011</strong></td>
<td><strong>SI %</strong></td>
<td>25.8%</td>
<td>40.4%</td>
<td>17.9%</td>
<td>7.8%</td>
<td>3.3%</td>
</tr>
<tr>
<td><strong>non-SI classes</strong></td>
<td><strong>Non-SI %</strong></td>
<td>40%</td>
<td>21.6%</td>
<td>16.7%</td>
<td>5.0%</td>
<td>5.0%</td>
</tr>
<tr>
<td><strong>Total for All Classes</strong></td>
<td><strong>Total for All Classes</strong></td>
<td>47</td>
<td>49</td>
<td>26</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td><strong>(n=100)</strong></td>
<td></td>
<td>7</td>
<td>11</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### ABC Pass Rates

- SI Section: 84.2% (75/89)
- Non-SI: 78.3% (47/60)

#### ABCD Pass Rates

- SI Section: 92.1% (82/89)
- Non-SI: 83.3% (50/60)

#### Class GPA (Excluding Ws)

- SI Section: 2.81
- Non-SI: 2.98
Anticipated Grade Distribution, Spring 2012 SI Sections vs. Spring 2011 Non-SI Sections

Anticipated Final Grade Distribution is derived by making the following assumptions:

- The total population under review = 149
- 60 of the 149 students (40%) were enrolled in ACCT 2101 sections not supported by SI (the “Non-SI” group)
- 89 of the 149 students (60%) were enrolled in ACCT 2101 sections supported by SI (the “SI” group)
- Thus, the Non-SI group would be expected to receive 40% of the A’s, 40% of the B’s, 40% of the C’s, and so on
- The SI group would be expected to receive 60% of the A’s, 60% of the B’s, 60% of the C’s, and so on

In the sections-to-sections analysis, we see some interesting results.

The students in the SI sections underperformed on the A line, but over-performed on the B line.

The students in the SI sections also over-performed on the W line, with significantly fewer W’s than expected.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Raw Number</th>
<th>Anticipated Grade Distribution of Non-SI Students (40%)</th>
<th>Actual Grade Distribution of Non-SI Students</th>
<th>Anticipated Final Grade Distribution of SI Students (60%)</th>
<th>Actual Final Grade Distribution of SI Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>47</td>
<td>19</td>
<td>24</td>
<td>28</td>
<td>23</td>
</tr>
<tr>
<td>B</td>
<td>49</td>
<td>20</td>
<td>13</td>
<td>29</td>
<td>36</td>
</tr>
<tr>
<td>C</td>
<td>26</td>
<td>10</td>
<td>10</td>
<td>16</td>
<td>16</td>
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<tr>
<td>D</td>
<td>10</td>
<td>4</td>
<td>3</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>F/WF</td>
<td>6</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>W</td>
<td>11</td>
<td>4</td>
<td>7</td>
<td>7</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL</td>
<td>189</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Summary

I’m not sure that SI had much of an impact on ACCT 2101. We do see a higher ABC rate for SI students vs. Non-SI: 100% vs. 79.1%, or an improvement of 26%. Similarly, SI students earned a class GPA of about .25 higher than their non-SI counterparts.

There are many variables that come into play when comparing classes from different semesters. We do see a slightly higher ABC rate in the Spring 2012 SI sections.

However, the class GPA for the Non-SI group was slightly higher than the GPA for the SI group. We had fewer W’s than anticipated in the SI group, and more W’s than expected for the Non-SI group. This is consistent with nationwide SI data that suggests SI does help completion rates.
BIOL 1112: Introductory Biology, Section B

ABC Pass Rate

<table>
<thead>
<tr>
<th>Grade</th>
<th>SI Students (n = 18)</th>
<th>Non-SI (n=12)</th>
<th>Total Class (n=30)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>B</td>
<td>6</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>C</td>
<td>6</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>D</td>
<td>2</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>WF</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>W</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

SI Students: 89% (16/18)  
Non-SI: 58.3% (7/12)  
All Students: 77% (23/30)

ABCD Pass Rate

<table>
<thead>
<tr>
<th>Grade</th>
<th>SI Students (n = 18)</th>
<th>Non-SI (n=12)</th>
<th>Total Class (n=30)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>B</td>
<td>6</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>C</td>
<td>6</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>D</td>
<td>2</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>WF</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>W</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

SI Students: 100% (18/18)  
Non-SI: 75% (9/12)  
All Students: 90% (27/30)

Class GPA (Excluding Ws)

SI students: 2.67  
Non-SI: 1.75  
All: 2.3

Participation

18/30 students attended SI at least once, or 60% of the class (highest among all SI sections)  
178 total student contacts (most among all SI sections this semester)  
Avg. sessions per student: 9.8 (highest among all SI sections this semester)  
SI students with mid-term F’s: 1 (or 5.5% of all SI students)  
ABCD rate of SI students with mid-term F’s: 1/1, or 100%
Anticipated Grade Distribution

Anticipated Final Grade Distribution is derived by making the following assumptions:

- The total population under review = 30
- 12 of the 30 students (40%) did not attend SI (the “Non-SI” group)
- 18 of the 30 students (60%) did attend SI at least once (the “SI” group)
- Thus, the Non-SI group would be expected to receive 40% of the A’s, 40% of the B’s, 40% of the C’s, and so on
- The SI group would be expected to receive 60% of the A’s, 60% of the B’s, 60% of the C’s, and so on
- Red numbers in the table below indicate clearly lower than anticipated performance (≥ 2)
- Green numbers in the table below indicated clearly higher than anticipated performance (≥ 2)
- Thus, green numbers in the A/B/C lines are positive; red numbers in the D/F/WF/W lines are positive

For most of the lines on the table, the results are what we would anticipate.

However, the Non-SI group earned more F/WF’s than anticipated (+2).

On the other hand, the SI group earned fewer F/WF’s than anticipated (-2).

These results are consistent with SI data collected nationwide over the past several decades.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Raw Number</th>
<th>Anticipated Grade Distribution of Non-SI Students (40%)</th>
<th>Actual Grade Distribution of Non-SI Students</th>
<th>Anticipated Final Grade Distribution of SI Students (60%)</th>
<th>Actual Final Grade Distribution of SI Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>7</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>8</td>
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<td>2</td>
<td>5</td>
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<tr>
<td>C</td>
<td>8</td>
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<td>6</td>
</tr>
<tr>
<td>D</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>F/WF</td>
<td>3</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>W</td>
<td>0</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>TOTAL</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### SI Results vs. Non-SI Results. Entire Class, Section B vs. Section A

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
<th>WF</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spring 2012 SI Class (n=30)</strong></td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>4</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Spring 2012 non-SI class (n=25)</strong></td>
<td>3</td>
<td>9</td>
<td>6</td>
<td>5</td>
<td>0</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td><strong>SI %</strong></td>
<td>23.3%</td>
<td>26.7%</td>
<td>26.7%</td>
<td>13.3%</td>
<td>10%</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>
| **Non-SI %** | 12.0% | 36.0% | 24% | 20% | 0% | 8% | 0%

### ABC Pass Rates
- SI Class: 77%
- Non-SI: 72%

### ABCD Pass Rates
- SI Class: 90%
- Non-SI: 92%

### Class GPA
- SI Class: 2.3
- Non-SI: 2.24
Anticipated Grade Distribution, SI Sections vs. Non-SI Section

- Anticipated Final Grade Distribution is derived by making the following assumptions:

  - The total population under review = 55

  - 25 of the 55 students (46%) enrolled in the section not supported by SI (the “Non-SI” group)

  - 30 of the 55 students (55%) enrolled in the section supported by SI (the “SI” group)

  - Thus, the Non-SI group would be expected to receive 46% of the A’s, 46% of the B’s, 46% of the C’s, and so on

  - The SI group would be expected to receive 55% of the A’s, 55% of the B’s, 55% of the C’s, and so on

- Red numbers in the table below indicate clearly lower than anticipated performance (≥ 2)

- Green numbers in the table below indicate clearly higher than anticipated performance (≥ 2)

  - Thus, green numbers in the A/B/C lines are positive; red numbers in the D/F/WF/W lines are positive

  Not much in this analysis except for in the “A” line.

  The students in the Non-SI class earned fewer A’s than anticipated.

  The students in the SI class earned more A’s than anticipated.

  All other differences appear to be just statistical “noise” (rounding up, etc.).

<table>
<thead>
<tr>
<th>Grade</th>
<th>Raw Number</th>
<th>Anticipated Grade Distribution of Non-SI Students (46%)</th>
<th>Actual Grade Distribution of Non-SI Students</th>
<th>Anticipated Final Grade Distribution of SI Students (55%)</th>
<th>Actual Final Grade Distribution of SI Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>10</td>
<td>5</td>
<td>3</td>
<td>5</td>
<td>7</td>
</tr>
<tr>
<td>B</td>
<td>17</td>
<td>8</td>
<td>9</td>
<td>9</td>
<td>8</td>
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<tr>
<td>C</td>
<td>14</td>
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<td>8</td>
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<tr>
<td>D</td>
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<td>5</td>
<td>4</td>
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<td>3</td>
<td>3</td>
</tr>
<tr>
<td>W</td>
<td>0</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>TOTAL</td>
<td>55</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Summary

Spring 2012 Results

Clearly the SI students did markedly better than the non-SI students, with an ABC rate of 89% vs. 58.3% for the non-SI students, or a 52% improvement. Similarly, students who attended SI earned a class GPA nearly a grade higher than their non-SI classmates (2.67 vs. 1.75).

Comparison Results

These results were inconclusive. The SI class had a slightly higher ABC rate than the non-SI class: 80% to 72%, or a 11% improvement. However, the SI class had a slightly lower ABCD rate than the Non-SI class. There were over twice as many A’s in the SI class, and an overall GPA about one-tenth of one point higher than the non-SI class. Variation in ability from section to section should be taken into account.
## Fall 2012

### HIST 1122 A: Western Civilization, 3 Sections

<table>
<thead>
<tr>
<th></th>
<th>Fall 2012 SI (CRN’s 745, 750, and 751)</th>
<th>Fall 2010 Non-SI (CRN’s 566, 569, and 573)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABC Rate</td>
<td>51% (40/79)</td>
<td>41.4% (34/82)</td>
</tr>
<tr>
<td>ABCD Rate</td>
<td>63.2% (50/79)</td>
<td>48.7% (40/82)</td>
</tr>
<tr>
<td>Non-Complete Rate (WF + W)</td>
<td>20.2% (16/79)</td>
<td>42.6% (35/82)</td>
</tr>
<tr>
<td>% A’s</td>
<td>7.5% (6/79)</td>
<td>6% (5/82)</td>
</tr>
<tr>
<td>% B’s</td>
<td>16.4% (13/79)</td>
<td>18.2% (15/82)</td>
</tr>
<tr>
<td>% C’s</td>
<td>26.5% (21/79)</td>
<td>17% (14/82)</td>
</tr>
<tr>
<td>% D’s</td>
<td>11.3% (9/79)</td>
<td>7.3% (6/82)</td>
</tr>
<tr>
<td>% F’s</td>
<td>17.7% (14/79)</td>
<td>8.5% (7/82)</td>
</tr>
</tbody>
</table>

### Participation

- Unduplicated Attendees: 31
- Percentage of Total Students: 39.2% (31/79)
- Total Visits: 207
- Average Visits/Student: 6.6
- Most Visits, One Student: 22

### ABC Rates

- ABC rate of students who attended at least one SI session: 67.7% (21/31)
- ABC rate of students who did not attend SI: 39.5% (19/48)
  - Improvement: 71.3%
- ABC rate for all of Dr. Winters’s Students: 51% (40/79)
  - Improvement: 32.7%

### ABCD Rates

- ABCD rate of students who attended at least one SI session: 80.6% (25/31)
- ABCD rate of students who did not attend SI: 52.8% (25/48)
  - Improvement: 56.4%
- ABCD rate for all of Dr. Winters’s students: 63.2% (50/79)
  - Improvement: 27.5%

### Non-Complete Rates

- Non-Complete Rate (W + WF), at least 1 SI session: 6.4% (2/31)
- Non-Complete Rate for all of Dr. Winters’s students: 21.5% (17/79)
  - Improvement: 70.2%

### Students with 1-3 Visits

- # of students with 1-3 visits: 14
Average visits/student: 1.86
ABC rate for 1-3 visits: 64.2% (9/14)
ABCD rate for 1-3 visits: 78.5% (11/14)
Class GPA for 1-3 visits: 2.07

**Students with 4-10 Visits**

# students with 4-10 visits: 10
Average visits/student: 6.9
ABC rate for 4-10 visits: 60% (6/10)
ABCD rate for 4-10 visits: 80% (8/10)
Class GPA for 4-10 visits: 1.7

**Students with 11+ Visits**

# students with 11+ visits: 7
Average visits/student: 15.7
ABC rate for 11+ visits: 85.7% (6/7)
ABCD rate for 11+ visits: 85.7% (6/7)
Class GPA for 11+ visits: 2.0
**HIST 1122 B: Western Civilization, 3 Sections**

**Notes**

A 50% increase in ABC rate compared to Fall 2011

A 29.8% increase in ABCD rate compared to Fall 2011

A 25.2% decrease in Non-Completion rate (W's + WF's) compared to Fall 2011

A 77% increase in “A” rate compared to Fall 2011

A 51% decrease in “F” rate compared to Fall 2011

<table>
<thead>
<tr>
<th></th>
<th>Fall 2012 SI (CRN’s 744, 746, and 748)</th>
<th>Fall 2011 Non-SI (CRN’s 741, 742, 743, and 745)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABC Rate</td>
<td>60% (48/80)</td>
<td>40% (50/125)</td>
</tr>
<tr>
<td>ABCD Rate</td>
<td>67.5% (54/80)</td>
<td>52% (65/125)</td>
</tr>
<tr>
<td>Non-Complete Rate (WF + W)</td>
<td>26.3% (21/80)</td>
<td>35.2% (44/125)</td>
</tr>
<tr>
<td>% A’s</td>
<td>21.2% (17/80)</td>
<td>12% (15/125)</td>
</tr>
<tr>
<td>% B’s</td>
<td>13.7% (11/80)</td>
<td>12% (15/125)</td>
</tr>
<tr>
<td>% C’s</td>
<td>25% (20/80)</td>
<td>16% (20/125)</td>
</tr>
<tr>
<td>% D’s</td>
<td>7.8% (6/80)</td>
<td>12% (15/125)</td>
</tr>
<tr>
<td>% F’s</td>
<td>6.25% (5/80)</td>
<td>12.8% (16/125)</td>
</tr>
</tbody>
</table>

**Participation**

Unduplicated Attendees: 31

SI Students as % of total: 38.75% (31/80)

Total Visits: 248

Average Visits/Student: 8.0

Most Visits, One Student: 35

**ABC Rates**

ABC rate for students who attended at least one SI session: 80% (25/31)

ABC rate for students who did not attend SI: 46.9% (23/49)

Improvement: 70.5%
**Non-Complete Rate**

Non-Complete Rate (W + WF), at least 1 SI session: 6.4% (2/31)

Non-Complete Rate, non-SI students: 38.7% (19/49)

Non-Complete Rate for students in all Professor sections: 26.3% (21/80)

Improvement: 75.6%

**Students with 3-1 Visits**

# of students with 1-3 visits: 14

Average visits/student: 1.4

ABC rate for 1-3 visits: 71% (10/14)

ABCD rate for 1-3 visits: 78.5% (11/14)

Class GPA for 1-3 visits: 2.38

**Students with 4-10 Visits**

# students with 4-10 visits: 9

Average visits/student: 5.8

ABC rate for 4-10 visits: 88.8% (8/9)

ABCD rate for 4-10 visits: 88.8% (8/9)

Class GPA for 4-10 visits: 2.5

**Students with 11+ Visits**

# students with 11+ visits: 8

Average visits/student: 21.75

ABC rate for 11+ visits: 87.5% (7/8)

ABCD rate for 11+ visits: 100% (8/8)

Class GPA for 11+ visits: 3.125
**BIOL 1107: Principles of Biology, 1 Section**

**Notes**

- A 57.4% increase in the ABC rate compared to Spring 2012
- A 200% increase in the ABC rate compared to Fall 2009*
- A 48% increase in the ABCD rate compared to Spring 2012
- A 128% increase in the ABCD rate compared to Fall 2009*
- A 50% decrease in the Non-Completion rate 
  \((W + WF)\) compared to Spring 2012
- A 57% decrease in the Non-Completion rate 
  \((W + WF)\) compared to Fall 2009*
- A 42% increase in “A” rate compared to Spring 2012
- A 62.3% increase in “B” rate compared to Spring 2012
- A 51% decrease in “F” rate compared to Spring 2012

**ABC Rates**

<table>
<thead>
<tr>
<th></th>
<th>Fall 2012 (CRN 552)</th>
<th>Spring 2012 Non-SI (CRN 268)</th>
<th>Fall 2009* Non-SI (CRN 398)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABC Rate</td>
<td>60% (27/45)</td>
<td>38.1% (21/55)</td>
<td>20% (6/30)</td>
</tr>
<tr>
<td>ABCD Rate</td>
<td>75.5% (34/45)</td>
<td>51% (28/55)</td>
<td>33% (10/30)</td>
</tr>
<tr>
<td>Non-Complete Rate ((W + WF))</td>
<td>20% (9/45)</td>
<td>40% (22/55)</td>
<td>46.6% (14/30)</td>
</tr>
<tr>
<td>% A’s</td>
<td>15.5% (7/45)</td>
<td>10.9% (6/55)</td>
<td>6.7% (2/30)</td>
</tr>
<tr>
<td>% B’s</td>
<td>17.7% (8/45)</td>
<td>10.9% (6/55)</td>
<td>3.3% (1/30)</td>
</tr>
<tr>
<td>% C’s</td>
<td>26.6% (12/45)</td>
<td>16.3% (9/55)</td>
<td>10% (3/30)</td>
</tr>
<tr>
<td>% D’s</td>
<td>15.5% (7/45)</td>
<td>12.7% (7/55)</td>
<td>13.3% (4/30)</td>
</tr>
<tr>
<td>% F’s</td>
<td>4.4% (2/45)</td>
<td>9% (5/55)</td>
<td>20% (6/30)</td>
</tr>
</tbody>
</table>

**Participation**

- Unduplicated Attendees: 22
- SI Students as % of total: 48.9% (22/45)
- Total Visits: 133
- Average Visits/Student: 6.0
- Most Visits, One Student: 17

**ABC Rates**

- ABC rate for students who attended at least one SI session: 68.1% (15/22)
- ABC rate for students who did not attend SI: 52.1% (12/23)
- Improvement: 30.7%
- ABC rate for students in all 522: 60% (27/45)
- Improvement: 13.5%
ABCD Rates

ABCD rate for students who attended at least one SI session: 86.3% (19/22)
ABCD rate for students who did not attend SI: 65% (15/23)
Improvement: 32.7%
ABCD rate for students in all 522: 75.5% (34/45)
Improvement: 14.3%

Non-Complete Rates

Non-Complete Rate (W + WF), at least 1 SI session: 9% (2/22)
Non-Complete Rate for non-SI students: 30.4% (7/23)
Non-Complete Rate for students in 522: 20% (9/45)
Improvement: 55%

Students with 1-3 Visits

# of students with 1-3 visits: 7
Average visits/student: 1.57
ABC rate for 1-3 visits: 71.4% (5/7)
ABCD rate for 1-3 visits: 71.4% (5/7)
Class GPA for 1-3 visits: 2.5

Students with 4-10 Visits

# students with 4-10 visits: 12
Average visits/student: 6.66
ABC rate for 4-10 visits: 58.3% (7/12)
ABCD rate for 4-10 visits: 91.6% (11/12)
Class GPA for 4-10 visits: 2.09

Students with 11+ Visits

# students with 11+ visits: 3
Average visits/student: 14
ABC rate for 11+ visits: 100% (3/3)
ABCD rate for 11+ visits: 100% (3/3)
Class GPA for 11+ visits: 3.0
**Spring 2013**

**HIST 1121: Western Civilization, 3 sections**

**Positive Results**

A significantly lower F rate compared to Spring 2012 (non-SI)

**Areas of Concern**

A significant increase in the Non-Complete Rate (W + WF), which SI is supposed to help

**Conclusions**

No real “whole class” impact for SI in Spring 2013: ABC rate almost identical

<table>
<thead>
<tr>
<th></th>
<th>Spring 2013 SI (CRN’s 533, 535, and 545)</th>
<th>Spring 2012 Non-SI (CRN’s 563 and 565)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABC Rate</td>
<td>43% (43/100)</td>
<td>44% (30/68)</td>
</tr>
<tr>
<td>ABCD Rate</td>
<td>62% (62/100)</td>
<td>67% (46/68)</td>
</tr>
<tr>
<td>Non-Complete Rate (WF + W)</td>
<td>27% (27/100)</td>
<td>9% (6/68)</td>
</tr>
<tr>
<td>% A’s</td>
<td>3% (3/100)</td>
<td>7.3% (5/68)</td>
</tr>
<tr>
<td>% B’s</td>
<td>18% (18/100)</td>
<td>16% (11/68)</td>
</tr>
<tr>
<td>% C’s</td>
<td>22% (22/100)</td>
<td>20.5% (14/68)</td>
</tr>
<tr>
<td>% D’s</td>
<td>19% (19/100)</td>
<td>23.5% (16/68)</td>
</tr>
<tr>
<td>% F’s</td>
<td>11% (11/100)</td>
<td>22% (15/68)</td>
</tr>
</tbody>
</table>

**Participation**

Unduplicated Attendees: 23

SI Students as % of total: 23% (23/100) 33%, or 11/33, in “home” section

Total Visits: 101

Average Visits/Student: 4.4

Most Visits, One Student: 14

**ABC Rates**

ABC rate for students who attended at least one SI session: 56.5% (13/23)

ABC rate for non-SI students: 38.9% (30/77)

SI Improvement: 45.2%

ABC rate for all students in all professor’s sections: 43% (43/100)

SI Improvement: 31.3%

**ABCD Rates**

ABCD rate for students who attended at least one SI session: 87% (20/23)

ABCD rate for non-SI students in professor’s sections: 54.5% (42/77)

SI Improvement: 59.6%
ABCD rate for all students in all professor sections: 62% (62/100)
SI Improvement: 40.3%

**Non-Complete Rates**
Non-Complete Rate (W + WF), at least 1 SI session: 4.3% (1/23)
Non-Complete Rate (W + WF) for non-SI students: 33.7% (26/77)
SI Improvement: 683%
Non-Complete Rate for students in all professor sections: 27% (27/100)
SI Improvement: 523%

**Students with 1-3 Visits**
# of students with 1-3 visits: 12
Average visits/student: 2.08
ABC rate for 1-3 visits: 42% (5/12)
ABCD rate for 1-3 visits: 83% (10/12)
Class GPA for 1-3 visits: 1.33

**Students with 4-10 Visits**
# students with 4-10 visits: 9
Average visits/student: 5.67
ABC rate for 4-10 visits: 67% (6/9)
ABCD rate for 4-10 visits: 89% (8/9)
Class GPA for 4-10 visits: 2.33

**Students with 11+ Visits**
# students with 11+ visits: 2
Average visits/student: 12.5
ABC rate for 11+ visits: 100% (2/2)
ABCD rate for 11+ visits: 100% (2/2)
Class GPA for 11+ visits: 2.5
HIST 1122: Western Civilization, 3 Sections

Positive Results

An 11% increase in ABC rate compared to Spring 2012 (non-SI)

A 7.5% increase in ABCD rate compared to Spring 2012 (non-SI)

An 81% decrease in the “F” rate compared to Spring 2012 (non-SI)

Areas of Concern

A 41% increase in the Non-Complete Rate (W + WF), which SI is supposed to help

<table>
<thead>
<tr>
<th></th>
<th>Spring 2013 SI (CRN’s 553, 556, and 557)</th>
<th>Spring 2012 Non-SI (CRN’s 577, 590)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABC Rate</td>
<td>41% (31/76)</td>
<td>37% (16/43)</td>
</tr>
<tr>
<td>ABCD Rate</td>
<td>50% (38/76)</td>
<td>46.5% (20/43)</td>
</tr>
<tr>
<td>Non-Complete Rate (WF + W)</td>
<td>46% (35/76)</td>
<td>32.5% (14/43)</td>
</tr>
<tr>
<td>% A’s</td>
<td>10.5% (8/76)</td>
<td>16.2% (7/43)</td>
</tr>
<tr>
<td>% B’s</td>
<td>13.1% (10/76)</td>
<td>9.3% (4/43)</td>
</tr>
<tr>
<td>% C’s</td>
<td>17.1% (13/76)</td>
<td>11.6% (5/43)</td>
</tr>
<tr>
<td>% D’s</td>
<td>9.2% (7/76)</td>
<td>9.3% (4/43)</td>
</tr>
<tr>
<td>% F’s</td>
<td>3.9% (3/76)</td>
<td>20.9% (9/43)</td>
</tr>
</tbody>
</table>

Participation

Unduplicated Attendees: 21

SI Students as % of total: 27.6% (21/76) 35.2%, or 12/34, in “home” section

Total Visits: 147

Average Visits/Student: 7.0

Most Visits, One Student: 23

ABC Rates

ABC rate for students who attended at least one SI session: 67% (14/21)

ABC rate for non-SI students in Cox sections: 30.9% (17/55)

SI Improvement: 117%

ABC rate all students in all Cox sections: 41% (31/76)

SI Improvement: 63%

ABCD Rates

ABCD rate for students who attended at least one SI session: 81% (17/21)

ABCD rate for non-SI students in Cox sections: 38.1% (21/55)

SI Improvement: 112%

ABCD rate for all students in all Cox sections: 50% (38/76)

SI Improvement: 62%
Non-Complete Rate

Non-Complete Rate ($W + WF$), at least 1 SI session: 14.2% (3/21)

Non-Complete Rate ($W + WF$) for non-SI students: 58.1% (32/55)

SI Improvement: 75%

Non-Complete Rate for students in all Cox sections: 46% (35/76)

SI Improvement: 69%

Students with 1-3 Visits

# of students with 1-3 visits: 10

Average visits/student: 2.1

ABC rate for 1-3 visits: 60% (6/10)

ABCD rate for 1-3 visits: 70% (7/10)

Class GPA for 1-3 visits: 1.8

Students with 4-10 Visits

# students with 4-10 visits: 4

Average visits/student: 4.75

ABC rate for 4-10 visits: 50% (2/4)

ABCD rate for 4-10 visits: 75% (3/4)

Class GPA for 4-10 visits: 2.33

Students with 11+ Visits

# students with 11+ visits: 7

Average visits/student: 14.9

ABC rate for 11+ visits: 85.7% (6/7)

ABCD rate for 11+ visits: 100% (7/7)

Class GPA for 11+ visits: 2.57

Analysis

In general, this SI was successful. Although we did not get the remarkable “whole class” impact that we enjoyed in Fall 2012, the pass rates for SI students were significantly higher than those for non-SI students, and the non-complete rate ($W + WF$) for SI students was much lower. The most obvious difference between Fall and Spring was attendance, which was much stronger in Fall. This is interesting because we had the same SI Leader working with the same faculty member, who was extremely enthusiastic about the program, and roughly the same enrollment (80 students in Fall 2012 vs. 76 students in Spring 2013). The numbers below illustrate the drop-off:

<table>
<thead>
<tr>
<th>Category</th>
<th>Fall 2012</th>
<th>Spring 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unduplicated Attendees (at least one SI session)</td>
<td>31</td>
<td>21</td>
</tr>
<tr>
<td>SI students as percentage of total enrollment</td>
<td>38.75% (31/80)</td>
<td>27.6% (21/76)</td>
</tr>
<tr>
<td>Total # of visits</td>
<td>248</td>
<td>147</td>
</tr>
<tr>
<td>Average # of visits/student</td>
<td>8.0</td>
<td>7.0</td>
</tr>
<tr>
<td>Most visits by one student</td>
<td>35</td>
<td>23</td>
</tr>
</tbody>
</table>

Even among the SI attendees, motivation seemed to be lower. Although we had a slightly higher average number of visits from the group of students who attended SI between 1-3 times, the averages for the 4-10 group and the 11+ group were significantly lower:

<table>
<thead>
<tr>
<th>Category</th>
<th>Fall 2012</th>
<th>Spring 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average visits for students who attended SI 1-3 times</td>
<td>1.4 visits</td>
<td>2.1 visits</td>
</tr>
<tr>
<td>Average visits for students who attended SI 4-10 times</td>
<td>5.8 visits</td>
<td>4.75 visits</td>
</tr>
<tr>
<td>------------------------------------------------------</td>
<td>------------</td>
<td>------------</td>
</tr>
<tr>
<td>Average visits for students who attended SI more than 10 times</td>
<td>21.75 visits</td>
<td>14.9 visits</td>
</tr>
</tbody>
</table>

As we move forward with SI, we will keep an eye on Fall vs. Spring attendance numbers in an attempt to determine whether decreased Spring participation is a trend or our Spring 2013 results are merely more evidence of the volatility of student performance (to use Dr. Wheeler’s phrase).
### PSYC 1101: Introductory Psychology, 1 Section

#### Note

This is the first SI in two semesters not to get significant participation from multiple sections taught by the same professor. We had no participation from the professor’s CRN 603 section, so this is a rare case that allows us to compare SI to non-SI sections for the same faculty member in the same semester.

#### Positive Results

A 36% increase in ABC rate compared to the non-SI section

A 6.7% increase in the ABCD rate compared to the non-SI section

A 56% decrease in the Non-Complete Rate compared to the non-SI section*

*Not sure about the validity of the Non-Complete Rate calculation, as there were no WF’s in either section.

#### Spring 2013 (CRN 597) vs. Spring 2013 Non-SI (CRN 603)

<table>
<thead>
<tr>
<th></th>
<th>Spring 2013 (CRN 597)</th>
<th>Spring 2013 Non-SI (CRN 603)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABC Rate</td>
<td>56.25% (18/32)</td>
<td>41.3% (12/29)</td>
</tr>
<tr>
<td>ABCD Rate</td>
<td>62.5% (20/32)</td>
<td>58.6% (17/29)</td>
</tr>
<tr>
<td>Non-Complete Rate (WF + W)</td>
<td>6% (2/32)</td>
<td>13.7% (4/29)</td>
</tr>
<tr>
<td>% A’s</td>
<td>15.6% (5/32)</td>
<td>20.6% (6/29)</td>
</tr>
<tr>
<td>% B’s</td>
<td>25% (8/32)</td>
<td>3.4% (1/29)</td>
</tr>
<tr>
<td>% C’s</td>
<td>15.6% (5/32)</td>
<td>17.2% (5/29)</td>
</tr>
<tr>
<td>% D’s</td>
<td>6% (2/32)</td>
<td>17.2% (5/29)</td>
</tr>
<tr>
<td>% F’s</td>
<td>31.25% (10/32)</td>
<td>27.5% (8/29)</td>
</tr>
</tbody>
</table>

#### Participation

Unduplicated Attendees: 6

SI Students as % of total: 18.7% (lowest of all SI sections)

Total Visits: 41

Average Visits/Student: 6.8

Most Visits, One Student: 11

#### ABC Rates

ABC rate for students who attended at least one SI session: 83% (5/6)

ABC rate for non-SI students, same section: 50% (13/26)

SI Improvement: 66%

ABC rate all students in all professor sections: 49% (30/61)

SI Improvement: 67%

#### ABCD Rates

ABCD rate for students who attended at least one SI session: 83% (5/6)

ABCD rate for non-SI students, same section: 57.6% (15/26)
<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>SI Improvement</td>
<td>44%</td>
</tr>
<tr>
<td>ABCD rate for all students in all professor sections</td>
<td>61% (37/61)</td>
</tr>
<tr>
<td>SI Improvement</td>
<td>36%</td>
</tr>
<tr>
<td><strong>Non-Complete Rates</strong></td>
<td></td>
</tr>
<tr>
<td>Non-Complete Rate (W + WF), at least 1 SI session</td>
<td>N/A</td>
</tr>
<tr>
<td>Non-Complete Rate (W + WF) for non-SI students</td>
<td>N/A</td>
</tr>
<tr>
<td>SI Improvement</td>
<td>N/A</td>
</tr>
<tr>
<td>Non-Complete Rate for students in all Cox sections</td>
<td>N/A</td>
</tr>
<tr>
<td>SI Improvement</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Students with 1-3 Visits</strong></td>
<td></td>
</tr>
<tr>
<td># of students with 1-3 visits</td>
<td>2</td>
</tr>
<tr>
<td>Average visits/student</td>
<td>2</td>
</tr>
<tr>
<td>ABC rate for 1-3 visits</td>
<td>100% (2/2)</td>
</tr>
<tr>
<td>ABCD rate for 1-3 visits</td>
<td>100% (2/2)</td>
</tr>
<tr>
<td>Class GPA for 1-3 visits</td>
<td>2.5</td>
</tr>
<tr>
<td><strong>Students with 4-10 Visits</strong></td>
<td></td>
</tr>
<tr>
<td># students with 4-10 visits</td>
<td>3</td>
</tr>
<tr>
<td>Average visits/student</td>
<td>8.6</td>
</tr>
<tr>
<td>ABC rate for 4-10 visits</td>
<td>67% (2/3)</td>
</tr>
<tr>
<td>ABCD rate for 4-10 visits</td>
<td>67% (2/3)</td>
</tr>
<tr>
<td>Class GPA for 4-10 visits</td>
<td>2.0</td>
</tr>
<tr>
<td><strong>Students with 11+ Visits</strong></td>
<td></td>
</tr>
<tr>
<td># students with 11+ visits</td>
<td>1</td>
</tr>
<tr>
<td>Average visits/student</td>
<td>11</td>
</tr>
<tr>
<td>ABC rate for 11+ visits</td>
<td>100% (1/1)</td>
</tr>
<tr>
<td>ABCD rate for 11+ visits</td>
<td>100% (1/1)</td>
</tr>
<tr>
<td>Class GPA for 11+ visits</td>
<td>4.0</td>
</tr>
</tbody>
</table>
HIST 1122: Western Civilization, 1 Section

**Highlights**

A 20.75% increase in ABC rate compared to Spring 2011.

An 11.5% decrease in Non-Completion rate (W's + WF's) compared to Spring 2011.

A 433% increase in “A” rate compared to Spring 2011.

**Concerns**

Even though we have a lower Non-Complete rate than the non-SI sections, it is still higher than we want it to be.

<table>
<thead>
<tr>
<th></th>
<th>Spring 2013 SI (CRN 554)</th>
<th>Spring 2011 Non-SI (CRN's 658 and 771)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABC Rate</td>
<td>48.3% (15/31)</td>
<td>40% (22/55)</td>
</tr>
<tr>
<td>ABCD Rate</td>
<td>51.6% (16/31)</td>
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</tr>
<tr>
<td>Non-Complete Rate (WF + W)</td>
<td>35.4% (11/31)</td>
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</tr>
<tr>
<td>% A's</td>
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</tr>
<tr>
<td>% F's</td>
<td>12.9% (4/31)</td>
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</tr>
</tbody>
</table>

**Participation**

Unduplicated Attendees: 14

Percentage of Total Students: 45.1% (14/31)

Total Visits: 153

Average Visits/Student: 10.9

Most Visits, One Student: 34

**ABCD Rates**

ABC rate of students who attended at least one SI session: 64.2% (9/14)

ABC rate for non-SI students: 35.2% (6/17)

SI Improvement: 82.3%
Non-Complete Rates

Non-Complete Rate (W + WF), at least 1 SI session: 14.2% (2/14)
Non-Complete Rate for non-SI students: 2.9% (9/17)
Non-Complete Rate for all of Dr. Winters’s students: 31.5% (11/31)
SI Improvement: A lot!

Students with 1-3 Visits

# of students with 1-3 visits: 5
Average visits/student: 1.4
ABC rate for 1-3 visits: 40% (2/5)
ABCD rate for 1-3 visits: 60% (3/5)
Class GPA for 1-3 visits: 1.6

Students with 4-10 Visits

# students with 4-10 visits: 4
Average visits/student: 4.75
ABC rate for 4-10 visits: 100% (4/4)
ABCD rate for 4-10 visits: 100% (4/4)
Class GPA for 4-10 visits: 2.25

Students with 11+ Visits

# students with 11+ visits: 5
Average visits/student: 24.6
ABC rate for 11+ visits: 60% (3/5)
ABCD rate for 11+ visits: 60% (3/5)
Class GPA for 11+ visits: 2.0

Analysis

This seems to have been a successful SI. We see a 20% improvement in the ABC rate over the Spring 2011 non-SI sections of the same class with the same instructor. In particular, we have a huge increase in the A rate. Also, within this semester’s students, the SI students outperformed the non-SI students by a large margin.

There were some strange results in this SI, however. We had the highest average number of visits per student for all our SI sections (10.9) and the highest average number of visits per student for students with more than 10 visits (a spectacular 24.6). However, we also had the lowest ABC rate for SI students with 10+ visits (60%). There were two “spectacular failures,” with students who averaged 18 SI visits failing the class.

We had the same SI Leader working with the same faculty member for the second semester in a row; however, it is difficult to compare results because this semester, the faculty member taught only one section of the class, when in Fall 2012 he taught 3 sections. Thus, while attendance as a percentage of the overall class roll was UP versus last Fall, overall raw numbers were (obviously) down.
## Fall 2013

### HIST 1122 A: Western Civilization, 3 Sections

### Notes

- A 16.7% increase in ABC rate compared to Fall 2012’s SI results
- A 75% increase in ABC rate compared to Fall 2011 non-SI results
- A 10.6% decrease in Non-Completion rate (W’s + WF’s) compared to Fall 2012’s SI results
- A 33.2% decrease in Non-Completion rate (W’s + WF’s) compared to Fall 2011 non/SI

*Worth noting that CRN 619 was an Honors section, which could skew the results—separate results calculated without Honors Section

### Fall 2013 SI (CRN’s 609, 613, 619*)

| ABC Rate | 70% (62/89) | 60% (48/80) | 40% (50/125) |
| ABCD Rate | 73% (65/89) | 67.5% (54/80) | 52% (65/125) |
| Non-Complete Rate (WF + W) | 23.5% (21/89) | 26.3% (21/80) | 35.2% (44/125) |
| % A’s | 27% (24/89) | 21.2% (17/80) | 12% (15/125) |
| % B’s | 21.3% (19/89) | 13.7% (11/80) | 12% (15/125) |
| % C’s | 21.3% (19/89) | 25% (20/80) | 16% (20/125) |
| % D’s | 3.3% (3/89) | 7.8% (6/80) | 12% (15/125) |
| % F’s | 3.3% (3.89) | 6.25% (5/80) | 12.8% (16/125) |

### Participation

- Unduplicated Attendees: 25
- SI Students as % of total: 28% (25/89)
- Total Visits: 244
- Average Visits/Student: 9.76
- Most Visits, One Student: 31

### ABC Rates

- ABC rate for students who attended at least one SI session: 72% (18/25)
- ABC rate for students who did not attend SI: 68% (44/64)
- Improvement: 5%
**ABCD Rates**

ABCD rate for students who attended at least one SI session: 72% (18/25)

ABCD rate for students who did not attend SI: 73% (47/89)

Improvement: 0% (basically even)

Non-Complete Rate (W + WF), at least 1 SI session: 16% (4/25)

Non-Complete Rate, non-SI students: 26.5% (17/64)

Improvement: 39.6%

**Students with 1-3 Visits**

# of students with 1-3 visits: 11

Average visits/student: 2.09

ABC rate for 1-3 visits: 63.6% (7/11)

ABCD rate for 1-3 visits: 63.6% (7/11)

Class GPA for 1-3 visits: 1.81

# students with 4-10 visits: 5

Average visits/student: 7.2

**Students with 4-10 Visits**

ABC rate for 4-10 visits: 80% (4/5)

ABCD rate for 4-10 visits: 80% (4/5)

Class GPA for 4-10 visits: 2.8

**Students with 11+ Visits**

# students with 11+ visits: 9

Average visits/student: 20.5

ABC rate for 11+ visits: 78% (7/9)

ABCD rate for 11+ visits: 78% (7/9)

Class GPA for 11+ visits: 2.33
**BIOL 1107 A: Principles of Biology, 1 Section**

The professor had just 32 students in his section this semester, so we had a much smaller sample.

We had roughly the same ABC/ABCD rates as Dr. Hartman’s SI class in Fall 2012.

Still significant improvement over the professor’s last non-SI class for both ABC rates, Non-Complete Rates, etc.

No F’s at all among the SI group in Fall 2013.

<table>
<thead>
<tr>
<th>ABC Rate</th>
<th>SI Fall 2013 (CRN 268) with SI Leader A</th>
<th>SI Fall 2012 (CRN 552) with SI Leader B</th>
<th>Spring 2012 Non-SI (CRN 268)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABCD Rate</td>
<td>56% (18/32)</td>
<td>60% (27/45)</td>
<td>38.1% (21/55)</td>
</tr>
<tr>
<td>Non-Complete Rate (W + WF)</td>
<td>78% (25/32)</td>
<td>75.5% (34/45)</td>
<td>51% (28/55)</td>
</tr>
<tr>
<td>% A’s</td>
<td>21.8% (7/32)</td>
<td>20% (9/45)</td>
<td>40% (22/55)</td>
</tr>
<tr>
<td>% B’s</td>
<td>9.3% (3/32)</td>
<td>15.5% (7/45)</td>
<td>10.9% (6/55)</td>
</tr>
<tr>
<td>% C’s</td>
<td>37.5% (12/32)</td>
<td>17.7% (8/45)</td>
<td>10.9% (6/55)</td>
</tr>
<tr>
<td>% D’s</td>
<td>9.3% (3/32)</td>
<td>26.6% (12/45)</td>
<td>16.3% (9/55)</td>
</tr>
<tr>
<td>% F’s</td>
<td>21.8% (7/32)</td>
<td>4.4% (2/45)</td>
<td>9% (5/55)</td>
</tr>
</tbody>
</table>

**Participation**

Unduplicated Attendees: 18

SI Students as % of total: 56.25% (18/32)

Total Visits: 129

Average Visits/Student: 7.16

Most Visits, One Student: 20

**ABCD Rate**

ABCD rate for students who attended at least one SI session: 94% (17/18)

ABCD rate for students who did not attend SI: 57% (8/14)

Improvement: 65%

**Non-Complete Rates**

Non-Complete Rate (W + WF), at least 1 SI session: 5.5% (1/18)

Non-Complete Rate for non-SI students: 42.8% (6/14)

Improvement: 87%
Students with 1-3 Visits

# of students with 1-3 visits: 7
Average visits/student: 1.57
ABC rate for 1-3 visits: 42.8% (3/7)
ABCD rate for 1-3 visits: 85.7% (6/7)
Class GPA for 1-3 visits: 1.57

Students with 4-10 Visits

# students with 4-10 visits: 6
Average visits/student: 6.33
ABC rate for 4-10 visits: 100% (6/6)
ABCD rate for 4-10 visits: 100% (6/6)
Class GPA for 4-10 visits: 3.0

Students with 11+ Visits

# students with 11+ visits: 5
Average visits/student: 15.8
ABC rate for 11+ visits: 80% (4/5)
ABCD rate for 11+ visits: 100% (5/5)
Class GPA for 11+ visits: 2.8

Grade Percentages

SI students (at least one visit) made up 56.25% of the overall cohort, but accounted for the following:

- 67% of the A’s (2/3)
- 75% of the B’s (9/12)
- Only 20% of the WF’s (1/5)
BIOL 1107 B: Principles of Biology, 1 Section

Notes
An increase in ABC rates vs. the non-SI class of Fall 2012

<table>
<thead>
<tr>
<th></th>
<th>Fall 2013 (CRN 263)</th>
<th>Fall 2012 Non-SI (CRN’s 562, 574)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABC Rate</td>
<td>69.4% (41/59)</td>
<td>60.4% (55/91)</td>
</tr>
<tr>
<td>ABCD Rate</td>
<td>75.5% (51/59)</td>
<td>76.9% (70/91)</td>
</tr>
<tr>
<td>Non-Complete Rate (W + WF)</td>
<td>8.4% (5/59)</td>
<td>15.3% (14/91)</td>
</tr>
<tr>
<td>% A’s</td>
<td>10.1% (7/59)</td>
<td>12% (11/91)</td>
</tr>
<tr>
<td>% B’s</td>
<td>33.8% (20/59)</td>
<td>29.6% (27/91)</td>
</tr>
<tr>
<td>% C’s</td>
<td>25.4% (15/59)</td>
<td>18.6% (17/91)</td>
</tr>
<tr>
<td>% D’s</td>
<td>16.9% (10/59)</td>
<td>16.4% (15/91)</td>
</tr>
<tr>
<td>% F’s</td>
<td>5% (3/59)</td>
<td>7.6% (7/91)</td>
</tr>
</tbody>
</table>

Participation
Unduplicated Attendees: 21
SI Students as % of total: 35.5% (22/59)
Total Visits: 54
Average Visits/Student: 2.5
Most Visits, One Student: 12

ABC Rates
ABC rate for students who attended at least one SI session: 76% (16/21)
ABC rate for students who did not attend SI: 65.7% (25/38)
Improvement: 15.6%

ABCD Rates
ABCD rate for students who attended at least one SI session: 85.7% (18/21)
ABCD rate for students who did not attend SI: 86.8% (33/38)

Non-Complete Rates
Improvement: -1.2%
Non-Complete Rate (W + WF), at least 1 SI session: 0% (0/21)
Non-Complete Rate for non-SI students: 13.1% (5/38)
Improvement: A lot

Students with 1-3 Visits
# of students with 1-3 visits: 15
Average visits/student: 1.46
<table>
<thead>
<tr>
<th>Category</th>
<th>Visits Range</th>
<th>Students</th>
<th>ABC Rate</th>
<th>ABCD Rate</th>
<th>Class GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3 visits</td>
<td></td>
<td></td>
<td>87% (13/15)</td>
<td>87% (13/15)</td>
<td>2.53</td>
</tr>
<tr>
<td>4-10 visits</td>
<td></td>
<td>5</td>
<td>40% (2/5)</td>
<td>100% (5/5)</td>
<td>1.4</td>
</tr>
<tr>
<td>11+ visits</td>
<td></td>
<td>1</td>
<td>100% (1/1)</td>
<td>100% (1/1)</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**Students with 4-10 Visits**

- # students with 4-10 visits: 5
- Average visits/student: 4.6

**Students with 11+ Visits**

- # students with 11+ visits: 1
- Average visits/student: 12
- ABC rate for 11+ visits: 100% (1/1)
- ABCD rate for 11+ visits: 100% (1/1)
- Class GPA for 11+ visits: 2.0
HIST 1122 B: Western Civilization, 2 Sections

Participation
Unduplicated Attendees: 25
Percentage of Total Students: 37.3% (25/67)
Total Visits: 89
Average Visits/Student: 3.56 (lots of one-sies)
Most Visits, One Student: 8

ABC Rates
ABC rate of students who attended at least one SI session: 88% (22/25)
ABC rate of students who did not attend SI: 50% (21/42)
Improvement: 76% (38/50)

ABCD Rates
ABCD rate of students who attended at least one SI session: 92% (23/25)
ABCD rate of students who did not attend SI: 57.1% (24/42)
Improvement: 61.1%

Non-Complete Rates
Non-Complete Rate (W + WF), at least 1 SI session: 4% (1/25)
Non-Complete Rate for non-SI students: 28.5% (12/42)
Improvement: A lot!

Grade Percentages
SI students (at least one visit) made up 37.3% of the overall cohort, but accounted for the following:
53% of all A’s (8/15)
46.6% of all B’s (7/15)
Only 14% of all F’s (1/7)
Only 11% of all W’s (1/9)
HIST 1121: Western Civilization, 1 Section

Notes

Not many highlights here—in fact, we had a lower ABC rate with SI in Fall 2013 compared to Fall 2012’s non-SI cohort.

We did have a slightly higher ABCD rate and a slightly lower F rate.

The Fall 2013 students who attended SI did fare much better than the Fall 2013 students who did not.

This was strange data for our SI program—we had NO participation from Dr. Thomas’s other HIST 1121 section, but record participation from this one section.

<table>
<thead>
<tr>
<th></th>
<th>Fall 2013 SI (CRN 602 and 604)</th>
<th>Fall 2012 Non-SI (CRN’s 825 and 743)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABC Rate</td>
<td>62.1% (41/66)</td>
<td>65.1% (43/66)</td>
</tr>
<tr>
<td>ABCD Rate</td>
<td>78.7% (52/66)</td>
<td>75.7% (50/66)</td>
</tr>
<tr>
<td>Non-Complete Rate</td>
<td>13.6% (9/66)</td>
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</tr>
<tr>
<td>% A’s</td>
<td>7.5% (5/66)</td>
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</tr>
<tr>
<td>% B’s</td>
<td>18% (12/66)</td>
<td>22.7% (15/66)</td>
</tr>
<tr>
<td>% C’s</td>
<td>36.3% (24/66)</td>
<td>32% (21/66)</td>
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<tr>
<td>% D’s</td>
<td>16.7% (11/66)</td>
<td>10.6% (7/66)</td>
</tr>
<tr>
<td>% F’s</td>
<td>7.5% (5/66)</td>
<td>12.1% (8/66)</td>
</tr>
</tbody>
</table>

Participation

Unduplicated Attendees: 26
SI Students as % of total: 83.8% (26/31) All-time high!
Total Visits: 330 All-time high!
Average Visits/Student: 12.6 All-time high!
Most Visits, One Student: 26

ABC Rates

ABC rate for students who attended at least one SI session: 61.5% (16/26)
ABC rate for students who did not attend SI: 40% (2/5)
Improvement: 53.7% (21.5/40)

ABCD Rates

ABCD rate for students who attended at least one SI session: 92% (24/26)
ABCD rate for students who did not attend SI: 40% (2/5)
Improvement: 130% (52/40)

Non-Complete Rates

Non-Complete Rate (W + WF), at least 1 SI session: 0% (0/26)
Non-Complete Rate, non-SI students: 60% (3/5)
Improvement: A lot!
Students with 1-3 Visits

# of students with 1-3 visits: 4
Average visits/student: 2.25
ABC rate for 1-3 visits: 50% (2/4)
ABCD rate for 1-3 visits: 75% (3/4)
Class GPA for 1-3 visits: 1.75

Students with 4-10 Visits

# students with 4-10 visits: 6
Average visits/student: 7.5
ABC rate for 4-10 visits: 67% (4/6)
ABCD rate for 4-10 visits: 100% (6/6)
Class GPA for 4-10 visits: 1.83

Students with 11+ Visits

# students with 11+ visits: 16
Average visits/student: 17.4
ABC rate for 11+ visits: 62.5% (10/16)
ABCD rate for 11+ visits: 93.7% (15/16)
Class GPA for 11+ visits: 2.0

Grade Percentages

SI students (at least one visit) made up 83.8% of the overall cohort, but accounted for the following:

100% of the A’s (2/2)
100% of the B’s (5/5)
Only 0% of the WF’s (0/2)
HIST 1122 C: Western Civilization, 1 Section

**Highlights**

A 20.75% increase in ABC rate compared to Spring 2011

An 11.5% decrease in Non-Completion rate (W’s + WF’s) compared to Spring 2011

A 433% increase in “A” rate compared to Spring 2011

**Concerns**

Even though we have a lower Non-Complete rate than the non-SI sections, it is still higher than we want it to be

<table>
<thead>
<tr>
<th></th>
<th>Spring 2013 SI (CRN 554)</th>
<th>Spring 2011 Non-SI (CRN’s 658 and 771)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABC Rate</td>
<td>48.3% (15/31)</td>
<td>40% (22/55)</td>
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<tr>
<td>ABCD Rate</td>
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<td>51% (28/55)</td>
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<tr>
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<td>40% (22/55)</td>
</tr>
<tr>
<td>(WF + W)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>% A’s</td>
<td>9.6% (3/31)</td>
<td>1.8% (1/55)</td>
</tr>
<tr>
<td>% B’s</td>
<td>19.3% (6/31)</td>
<td>16.3% (9/55)</td>
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<td>10.9% (6/55)</td>
</tr>
<tr>
<td>% F’s</td>
<td>12.9% (4/31)</td>
<td>8.5% (5/55)</td>
</tr>
</tbody>
</table>

**Participation**

Unduplicated Attendees: 14

Percentage of Total Students: 45.1% (14/31)

Total Visits: 153

Average Visits/Student: 10.9

Most Visits, One Student: 34

**ABC Rates**

ABC rate of students who attended at least one SI session: 64.2% (9/14)

ABC rate for non-SI students: 35.2% (6/17)

SI Improvement: 82.3%

ABC rate for all of Dr. Winters’s Students: 48.3% (15/31)

SI Improvement: 32.7%

**ABCD Rates**

ABCD rate of students who attended at least one SI session: 71.4% (10/14)

ABCD rate for non-SI students: 35.2% (6/17)

SI Improvement: 102%

ABCD rate for all of Dr. Winters’s students: 51.6% (16/31)

SI Improvement: 38.3%
**Non-Complete Rates**

Non-Complete Rate (W + WF), at least 1 SI session: 14.2% (2/14)

Non-Complete Rate for non-SI students: 52.9% (9/17)

Non-Complete Rate for all of Dr. Winters’s students: 31.5% (11/31)

SI Improvement: A lot!

**Students with 1-3 Visits**

# of students with 1-3 visits: 5

Average visits/student: 1.4

ABC rate for 1-3 visits: 40% (2/5)

ABCD rate for 1-3 visits: 60% (3/5)

Class GPA for 1-3 visits: 1.6

**Students with 4-10 Visits**

# students with 4-10 visits: 4

Average visits/student: 4.75

ABC rate for 4-10 visits: 100% (4/4)

ABCD rate for 4-10 visits: 100% (4/4)

Class GPA for 4-10 visits: 2.25

**Students with 11+ Visits**

# students with 11+ visits: 5

Average visits/student: 24.6

ABC rate for 11+ visits: 60% (3/5)

ABCD rate for 11+ visits: 60% (3/5)

Class GPA for 11+ visits: 2.0

**Analysis**

This seems to have been a successful SI. We see a 20% improvement in the ABC rate over the Spring 2011 non-SI sections of the same class with the same instructor. In particular, we have a huge increase in the A rate. Also, within this semester’s students, the SI students outperformed the non-SI students by a large margin.

There were some strange results in this SI, however. We had the highest average number of visits per student for all our SI sections (10.9) and the highest average number of visits per student for students with more than 10 visits (a spectacular 24.6). However, we also had the lowest ABC rate for SI students with 10+ visits (60%). There were two “spectacular failures,” with students who averaged 18 SI visits failing the class.

We had the same SI Leader working with the same faculty member for the second semester in a row; however, it is difficult to compare results because this semester, the faculty member taught only one section of the class, when in Fall 2012 he taught 3 sections. Thus, while attendance as a percentage of the overall class roll was UP versus last Fall, overall raw numbers were (obviously) down.